

Release Notes

# hp StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for hp OpenVMS

**Product Version:** 2.2

Second Edition (February 2004)

**Part Number:** T3032-98107

The HP StorageWorks “Business Copy (BC) for enterprise virtual array (EVA), modular array (MA), and enterprise modular array (EMA)” is the new name for the “Enterprise Volume Manager (EVM)” software. This document summarizes features and characteristics of the HP StorageWorks Business Copy Host Agent v2.2 for HP OpenVMS release that are not covered elsewhere in the documentation set.

For the latest version of these Release Notes and other Business Copy documentation, access the HP storage web site at: <http://www.hp.com/country/us/eng/prodserv/storage.html>.



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## About this document

This section describes the content reflected in this document, including:

- [Release Notes information](#), page 3
- [Intended audience](#), page 3
- [Other Business Copy documentation](#), page 3

## Release Notes information

These Release Notes cover the following major topics:

- [Hardware and software requirements](#), page 4
- [Limitations and known issues](#), page 5
- [Postinstallation best-practices](#), page 7

## Intended audience

This document is intended for customers who purchased BC v2.2, and for HP authorized service providers responsible for installing, configuring, and maintaining systems that include BC software.

## Other Business Copy documentation

BC documentation includes documents distributed through an initial purchase of BC (contained in a BC documentation kit) and through a Web release of BC updates. Refer to the *HP StorageWorks Business Copy EVA/MA/EMA v2.2 Read Me First* (T3032-99101) or *HP StorageWorks Business Copy EVA/MA/EMA v2.2 Update Read Me First* (AA-RQ70G-TE) for a list of these documents and document part numbers.

Additional documentation, including white papers and best practices documents, are available via the HP web site at: <http://www.hp.com>.

## Hardware and software requirements

The following sections identify hardware and software requirements for this BC host agent. Topics include:

- [Operating system version support](#), page 4
- [Cluster support](#), page 4
- [HBA, firmware, and driver requirements](#), page 4

### Operating system version support

The BC Host Agent supports the following OpenVMS versions:

- OpenVMS v7.2-2 with FIBRE\_SCSI-V0500--4.PCSI Tima Kit
- OpenVMS v7.3-1

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**Note:** The current mandatory ECO kits for the release must be applied, as well as the ES-class ECO kit. This includes the ECO kits (or successors) VMS721\_CPU2208, VMS721\_UPDATE, and VMS721\_PCSI.

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### Cluster support

The BC v2.2 OpenVMS host agent is supported in cluster environments. The following condition applies to this support:

If the cluster node running the host agent fails during the execution of a job, that job will fail. Undoing and re-executing the job should allow it to complete.

### HBA, firmware, and driver requirements

HBA, firmware, and driver requirements are listed in [Table 1](#).

**Table 1: HBA, Firmware, and Driver Requirements**

Vendor	HBA model	Firmware	Driver
Emulex	LP8000 / KGPSA	3.82a1	FIBRE_SCSI_v0500
	LP9002 / FCA2354	3.82a1	FIBRE_SCSI_v0500
	LP9802 / FCA2384	1.00x6	FIBRE_SCSI_v0500

## Limitations and known issues

This section is an extension of a similar section in the *HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide* (T3032–96101) and can help avoid problems while using BC. Limitations and known issues include the following topics:

- [CD-ROM read failure when attempting to copy the OVMS host agent](#), page 5
- [Stack overflow](#), page 5
- [Cluster impersonator failure](#), page 5
- [Mount qualifier](#), page 6

### CD-ROM read failure when attempting to copy the OVMS host agent

*Description:* BC host agent software cannot be copied from the BC host agent CD-ROM.

*Error* file not found

*Indication:*

*Resolution/Workaround:* Due to a file name length problem, you cannot copy the OVMS host agent from the CD-ROM using OVMS. Please refer to *hp StorageWorks Business Copy EVA/MA/EMA v2.2 for hp Open VMS Installation Guide* (AA-RUQPB-TE) and download the OVMS host agent from the HP Website, following the procedures in the guide. Then, install the host agent following the procedures for the Web download method.

### Stack overflow

*Description:* Occasionally, a stock overflow can occur with OpenVMS v7.2-2. This error may affect the functionality of the agent.

*Error* None

*Indication:*

*Resolution/Workaround:* Refer to *Problems with WEBES and Other Multi-threaded Applications that Use Sockets and Java 2 Fast VM*, found on the following website:  
[http://h71000.www7.hp.com/doc/722final/cletters/ovms\\_v722\\_cover\\_letter.html](http://h71000.www7.hp.com/doc/722final/cletters/ovms_v722_cover_letter.html)

### Cluster impersonator failure

*Description:* One of the nodes in the cluster is automatically assigned the role of cluster impersonator. BC will only install on the node that is acting as the cluster impersonator. If this node fails or shuts down, the BC host agent will not function.

*Error* BC host agent will not function.  
*Indication:*  
*Resolution/* Return the node to service and ensure it has regained the cluster impersonator role.  
*Workaround:*

## Mount qualifier

If a MOUNT operation is performed to a cluster, then by default, the mount will be to all members of the cluster. Adding the /cluster qualifier to a BC job will have no effect on that specific cluster mount.

## Postinstallation best-practices

All open browser windows must be closed and then the browser reopened before browsing to the SMA software, after any of the following installations.

- BC host agent
- Any browser or new browser version
- A JRE or a new JRE version

If problems between the browser and Java applets (such as the lack of a display in the lower portion of the BC screen) persist after closing and reopening the browser, the browser cache or Java plug-in cache may be responsible.

To clear the cache in Internet Explorer, use the following procedures:

1. Choose **Tools>Internet Options**.
2. From the **General** tab, under **Temporary Internet Files**, click **Delete Files**.
3. In the **Delete Files** window, click **OK**. (There is no need to check the **Delete all offline content** option.)

To clear the cache in Netscape, use the following procedures:

1. Choose **Edit>Preferences**.
2. In the navigation pane, choose **Advanced>Cache**.
3. Click both **Clear Memory Cache** and **Clear Disk Cache**.
4. Click **OK**.

To clear the cache in the Java plug-in, use the following procedures:

1. Open the Java plug-in console.
2. From the **Cache** tab, click **Clear JARCache**.
3. Close the Java plug-in console.